

Work Experience

Kik Interactive, Inc. | Web Developer - Bots Team

May 2016 - August 2016 | Waterloo, ON

- Shipped 12,000+ lines of Python and AngularJS on Google AppEngine
- Updated and maintained our public Python and NodeJS bot APIs
- Engineered multiple features to improve functionality of the Kik Bots platform
 - Algorithm to rank popularity of bots in Kik Bot Shop
 - Health check system to track bots' upkeep status
 - Permission system to manage employee access rights

Kik Interactive, Inc. | Release & QA

September 2015 - December 2015 | Waterloo, ON

- Led testing efforts for multiple new features
- Designed and executed black box testing plans for unreleased features
- Collaborated with project leads and developers throughout testing
- Documented over 100 software defects using Github issue tracker

Kenna | IT Systems Administrator

January 2015 - April 2015 | Toronto, ON

- Handled IT responsibilities of entire office with over 50 users and 80 devices
- Researched and implemented ideas to increase efficiency of IT department
- Authored/published process manuals and project notes to company wiki

Recent Projects

Bot Health Check System | Kik Interactive, Inc.

August 2016

Created and implemented a system to track the health status' of bots on Kik. When requested, a script would run to collect relevant info about a specific bot and uses hypothesis testing to compare it against the current platforms' expected values. A frontend dashboard was created to present this information, along with recent history, for the internal teams.

Bot Popularity Algorithm | Kik Interactive, Inc.

May 2016

Designed, developed and implemented an algorithm to quantify the popularity of a bot by analyzing collected metrics. Bots on the Kik Bot Shop are then ranked in accordance to their popularity scores and the data is given to the business teams to provide insight on our operations.

App Store Analysis | Side Project

September 2015 - October 2015

Developed a program to scrape and process app store reviews for Kik across both iOS & Android stores. Reviews are clustered based on topic/version and processed through a trained sentiment analyzer using NLTK. A web based dashboard is then used to display trends in the data and general attitude towards updates.

Education

University of Waterloo

Double BMath | Expected 2018

Computational Math & Statistics
Minor in Computer Science

Links

Http:// alihussa.in

LinkedIn:// ahussain5

GitHub:// allawi

Technical Skills

Intermediate

- Python
 - Google AppEngine
 - Google Protobuf
 - Flask
- C/C++
- HTML/CSS
 - Bootstrap
- Racket/Lisp

Novice

- R
- JavaScript
 - AngularJS
 - NodeJS
- Ruby
- MySQL

Miscellaneous

- RESTful Protocols
- Data Structures & Algorithms
- Statistics & Probability
- Windows Server
- Linux Server

Hobbies & Interests

- Baseball
- Fitness and Nutrition
- Programming
- IT and Networking
- Puzzles and Problem Solving
- Video Games